

APPENDIX AVERSION WITH MARKINGS TO SHOW CHANGES MADE

1. (Once Amended) A method of detecting chitinous material in a processed non-chitinous biological sample, said method comprising
- contacting said biological sample with a probe that is a lectin that binds chitin;
  - contacting said biological sample with a pectinase;
  - filtering said sample;
  - washing said filter to remove unbound lectin;
  - eluting bound lectin with a chitin, a chitin degradation product or a chitin analogue; and
  - detecting [binding of] said lectin [to a chitin] wherein detection of said lectin [said binding] indicates the presence of chitin in said biological sample.
16. (Once Amended) The method of claim 1 [15], wherein said chitin degradation product is N-acetyl D-glucosamine.
29. (Once Amended) A method of detecting chitinous material in a non-chitinous biological sample, said method comprising
- in a solution at a pH ranging from about pH 7 to about pH 9 contacting said biological sample with a fluorescently labeled probe that is a lectin that binds chitin;
  - filtering said sample;
  - washing said filter to remove unbound lectin;
  - eluting bound lectin with a chitin, a chitin degradation product or a chitin analogue; and
  - detecting [binding of] said lectin [to a chitin] wherein detection of said lectin [said binding] indicates the presence of chitin in said biological sample.

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**2.     *Status of claims***

Claims 13, 14, 15, 21, 40, 41, 42, 48 and 55-78 are canceled and claims 1, 16, 29 and 43 are amended. Claims 1-12, 16-20, 22-39, 43-47 and 49-54 are pending upon entry of this Amendment.

A marked up copy of the amended claims is provided in Appendix A. For the convenience of the Examiner, a list of all pending claims upon entry of the Amendment is provided in Appendix B.

**3.     *Support for Amendments***

Support for the amendment to the claims can be found throughout the specification, the drawings, and the claims as originally drafted. For example, the amendment of claim 1 finds support in originally filed dependent claim 21. Support for the amendment claim 29 finds support in originally filed claim 48. Support for washing the filter to remove unbound lectin, as recited in claims 1 and 29, can be found on, e.g., page 18, lines 18-19 of the specification. No new matter is added by this Amendment.

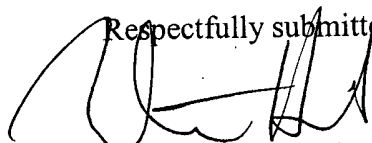
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CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,



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43. The method of claim 29 [42], wherein said chitin degradation product is N-acetyl D-glucosamine.